

Summer Internships in Science and Technology



2011 Application

Application Instructions



Note: This PDF file will allow you to make changes and save the PDF file locally on your computer. Before completing the entire application test that you can add some information, save the PDF file, close it and reopen it with your changes intact. If you are unable to save this PDF file and form data you will need to upgrade your version of Adobe Acrobat Reader to version 8 or newer (this is a free download from www.adobe.com)

- 1. Complete the application. For the essay questions it is recommended to compose your responses in a word processor so you can check spelling, grammar, etc. and paste the final text into the space provided in this application.
- 2. Click the [Submit Application] button on the last page.
- 3. A confirmation e-mail will be sent to you. The confirmation e-mail will provide instructions for checking the status of your application.
- 4. Arrange to have your official transcript sent to Fermilab/SIST.
- 5. Arrange for **two letters of recommendation** to be sent to Fermilab/SIST.

Application Deadline is 5 PM Friday 18 February 2011

Your application is not complete until Fermilab/SIST has received this form, your official transcript and two letters of recommendation.

For more information about the SIST program go to: http://sist.fnal.gov



Personal Info	ormation						
Last Name		First I	Name			Mide	dle Name
	I=						
Suffix	E-mail Address						
Gender Male Female	Are you a returning SIST intern?	Yes No	Will you be at 18 years old t May 2011?		Yes No	Citizenship	U.S. citizen Permanent resident Foreign national with I-20
Ethnicity* Black White * this information is very plan that addresses out	Asian Pacific Islander Dluntary. This laboratory reach and equity in emplo	Hispar	nic (White) nic (all other rac nformation beca	es) cl	ative America hoose not to a	answer	equired to have an affirmative action
Campus Add	ress						
Street							
Street/Apt							
City					S	tate	ZIP
Phone							
Home Addres	ss		J				
Street							
Street/Apt							
City					S	tate	ZIP/Postal Code
Phone			Country				
College / Uni	iversity						
Name of College or Un	iversity						
	ctrical Engineering chanical Engineering	Electrical/Computer S	omputer Engine	eering Physics	First Mir	nor	
Second Major					Second	Minor	
Class hours by March 2011			Semester Quarter	Class hours t May 2011	by		Semester Quarter
Cumulative GPA		GPA in technical courses		•		GPA Scale	•

Work Experience		
Employer		
Position		Dates of Employment
Description of Work		
Employer		
Position		Dates of Employment
Description of Work		
Skills Matrix	Rate your e	experience or comfort level in the following areas:
,	None ← Expert	None ← Expert
Assembly language		Logic analyzer
С		Spectrum analyzer
C++		Digital circuit design
Python		Analog circuit design
Perl		Firmware development
PHP		Microcontrollers
Java / Javascript		Soldering
HTML		Printed circuit boards
Databases / SQL		Electrical schematics
Windows OS		Hand tools
Linux / Unix OS		Power tools
Mac OS		2D CAD / drawing
Real-time OS		3D CAD / modeling
Shell scripts		Optical systems
GUI design		Pneumatic vacuum systems
Webservers		Cryogenics
Network programming		Robotics
Labview		Calculus
Digital multimeter		Basic physics
Oscilloscope		Quantum mechanics

Essay Responses	
Course Descriptions Discuss some of your favorite courses challenges that you faced.	s, some classroom/lab experience that you enjoyed, and
Dograe Plane	
Degree Plans Briefly discuss what attracted you to y attending graduate school? Going int	your major and your career plans. Are you planning on to industry, R&D, etc.?

Essay Responses	
Project Experience Describe in detail a project or projects goals? What were some of the challer	that you've worked on. Did you meet the project design nges you faced and how did you overcome them?
Use this space to tell us more about you feel strongly about, an experience discuss anything you like.	ou. It can be about your hobbies, your interests, issues that you had, something you find challenging, etc. You may

Letters Of Recommendation	
I will contact two individuals and asked them to each submit a letter of recommendation on my behalf. The SIST committee recommends that the letters of recommendation come from faculty at your College or University. Instructions for submitting letters of recommendations will be e-mailed to you with your confirmation email. I understand that my application will not be considered complete until both letters have been received at Fermilab.	
Transcripts	
I will arrange to have an official transcript sent from my College or University to Fermilab/SIST at the following address: Fermilab/SIST MS117 P.O. Box 500 Batavia, IL 60510-0500 I understand that my application will not be considered complete until the official transcript has been received at Fermilab.	

Take a moment to read over this application and make any final corrections or additions. When you're satisfied save the PDF file on your computer and then click the button below:

Submit Application

A confirmation e-mail will be sent back to you shortly thereafter. In this confirmation e-mail there will be instructions for checking the status of your application on the SIST website.

Remember, it is YOUR RESPONSIBILITY to get an <u>official copy of your</u> <u>transcript</u> and <u>two letters of recommendation</u> to Fermilab/SIST by the application deadline of

Friday 18 February 2011